

HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P. O. Box 272400  
Fort Collins, Colorado 80527-2400

RECEIVED  
CENTRAL FAX CENTER

PATENT APPLICATION

ATTORNEY DOCKET NO. 100111236-1

JAN 16 2006  
IN THE

## UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): S. Brandon Keller, et al.

Confirmation No.: 2412

Application No.: 10/647,598

Examiner: Stacy Whitmore

Filing Date: Aug. 25, 2003

Group Art Unit: 2825

Title: Computer Aided Design Systems and Methods With Reduced Memory Utilization

Mail Stop Amendment  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ( ) under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ( ) under 37 CFR 1.97 (c) together with either a:  
( ) Statement under 37 CFR 1.97(e), or  
( ) a \$180.00 fee under 37 CFR 1.17(p), or  
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- (X) under 37 CFR 1.97 (d) together with a:  
(X) Statement under 37 CFR 1.97(e)(1) or (2), and  
(X) a \$180.00 fee set forth in 37 CFR 1.17(p).  
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$180.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

(X) Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Statement together with any required copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

( ) A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

- ( ) I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313-1450. Date of Deposit: \_\_\_\_\_

OR

- (X) I hereby certify that this paper is being transmitted to the Patent and Trademark Office facsimile number (571) 273-8300 on Jan 17, 2006  
Number of pages: 5

Typed Name: Janet Redpath

Signature: *Janet Redpath*

Respectfully submitted,

S. Brandon Keller, et al.

By *William A. Rudy*

William A. Rudy

Attorney/Agent for Applicant(s)  
Reg. No. 34,916

Date: Jan. 17, 2006

10647598  
082025  
01/19/2006 STEUNELL 00000016  
01 FC:1806 180.00 DA



2345 Grand Boulevard  
Suite 2800  
Kansas City, Missouri 64108-2684  
(816) 292-2000, Fax (816) 292-2001

RECEIVED  
CENTRAL FAX CENTER

JAN 16 2006

Direct Dial Number:  
(816) 460-5819

[www.lathropgage.com](http://www.lathropgage.com)

10851 Mastin Blvd.  
Building 82, Suite 1000  
Overland Park, KS 66210-1669  
(913) 451-5100, Fax (913) 451-0875

230 Park Avenue  
Suite 1847  
New York, NY 10169  
(212) 850-6220, Fax (212) 850-6221

1845 S. National  
Springfield, MO 65806-4288  
(417) 886-2000, Fax (417) 886-9126

The Equitable Building, Suite 1300  
10 South Broadway  
St. Louis, MO 63102-1708  
(314) 613-2500, Fax (314) 613-2550

370 17th Street  
Suite 4650  
Denver, CO 80202-5607  
(720) 931-3200, Fax (720) 932-3201

4845 Pearl East Circle  
Suite 300  
Boulder, CO 80301  
(720) 931-3000, Fax (720) 931-3001

314 East High Street  
Jefferson City, MO 65101  
(573) 893-4336, Fax (573) 893-5398

Suite 1050  
Franklin Square  
1300 Eye Street, N.W.  
Washington, D.C. 20005  
(202) 962-0032, Fax (202) 962-0357

January 17, 2006

From: William A. Rudy

Matter No.: 400641

To:	Company:	Fax Number:	Phone Number:
Commissioner For Patents	U.S. Patent Office	(571) 273-8300	

Number of Pages Transmitted (including this cover sheet): 5

Message:

Applicant(s):	S. Brandon Keller	Confirmation No.	2412
Serial No.	10/647,598	Group Art Unit:	2825
Filed:	August 25, 2003	Examiner:	Stacy Whitmore
For:	Computer Aided Design Systems and Methods with Reduced Memory Utilization	Attorney Docket No.	100111236-1

If you have a problem receiving this facsimile, please call: (816) 292-2000

Fax Attendant: 

CONFIDENTIALITY NOTE:

The information in this facsimile message ("fax") is sent by an attorney or his/her agent, is intended to be confidential and for the use of only the individual or entity named above. The information may be protected by attorney/client privilege, work product immunity or other legal rules. If the reader of this message is not the intended recipient, you are notified that retention, dissemination, distribution or copying of this fax is strictly prohibited. If you receive this fax in error, please notify us immediately by telephone and return it to the address above. Thank you.

RECEIVED  
CENTRAL FAX CENTER

JAN 16 2008

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1448A/PTQ

# SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

**Complete If Known**

<b>Application Number</b>	<b>10/647,598</b>
<b>Filing Date</b>	<b>August 25, 2003</b>
<b>First Named Inventor</b>	<b>S. Brandon Keller</b>
<b>Art Unit</b>	<b>2825</b>
<b>Examiner Name</b>	<b>Stacy Whitmore</b>
<b>Attorney Docket Number</b>	<b>100111236-1</b>

Sheet	1	of	1
-------	---	----	---

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinda Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 601.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P. O. Box 272400  
Fort Collins, Colorado 80527-2400

RECEIVED  
CENTRAL FAX CENTER

PATENT APPLICATION  
ATTORNEY DOCKET NO. 100111236-1

JAN 16 2006

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): S. Brandon Keller, et al.

Confirmation No.: 2412

Application No.: 10/647,598

Examiner: Stacy Whitmore

Filing Date: Aug. 25, 2003

Group Art Unit: 2825

Title: Computer Aided Design Systems and Methods With Reduced Memory Utilization

Mail Stop Amendment  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

STATEMENT UNDER 37 CFR 1.97(e)

Sir:

The undersigned hereby certifies that either:

- (X) Each item of information contained in the Information Disclosure Statement was cited for the first time in a communication from a foreign patent office in a counterpart foreign application, not more than three months prior to the filing of the statement, or
- ( ) No item of information contained in the Information Disclosure Statement
  - was cited in a communication from a foreign patent office in a counterpart foreign application, and
  - to the knowledge of the undersigned, after making reasonable inquiry, was known to any individual designated in 37 CFR 1.56 (c) more than three months prior to the filing of the Information Disclosure Statement.

Respectfully submitted,

S. Brandon Keller, et al.

By

  
William A. Rudy

Attorney/Agent for Applicant(s)

Reg. No. 34,916

Date: Jan. 18, 2006

Telephone No.: (816) 460-5819